

DRILL HOLES

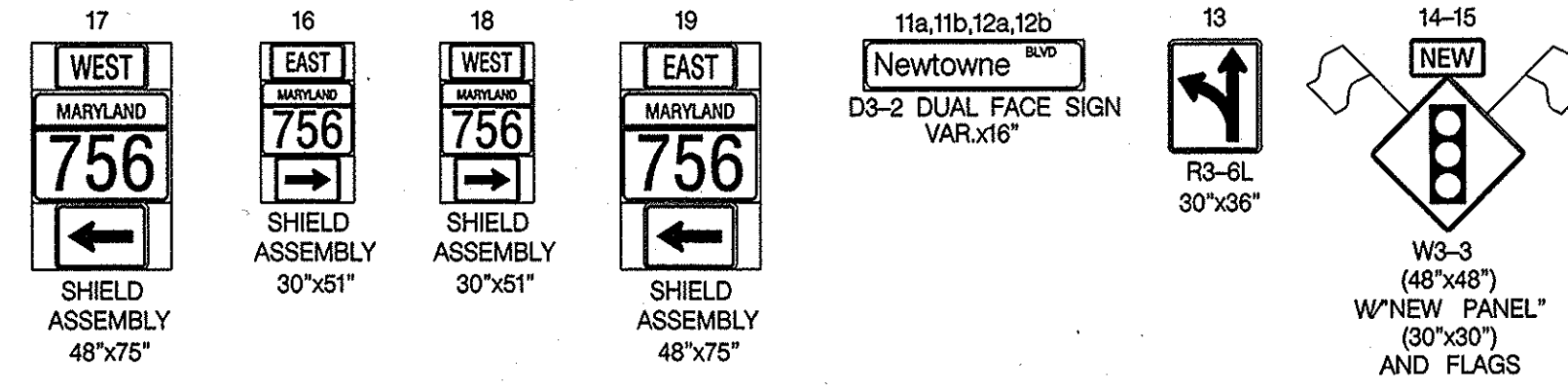
DRILL HOLES

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BRIDGE REV. DATE: June 1, 2003

MD 756 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION

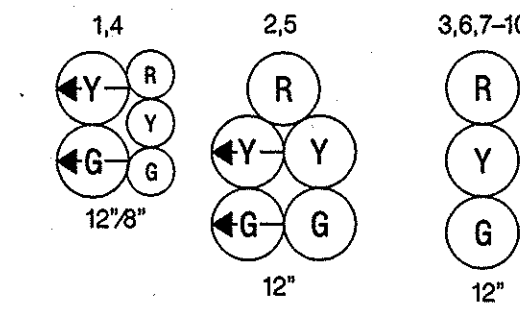
PROPOSED SIGNS



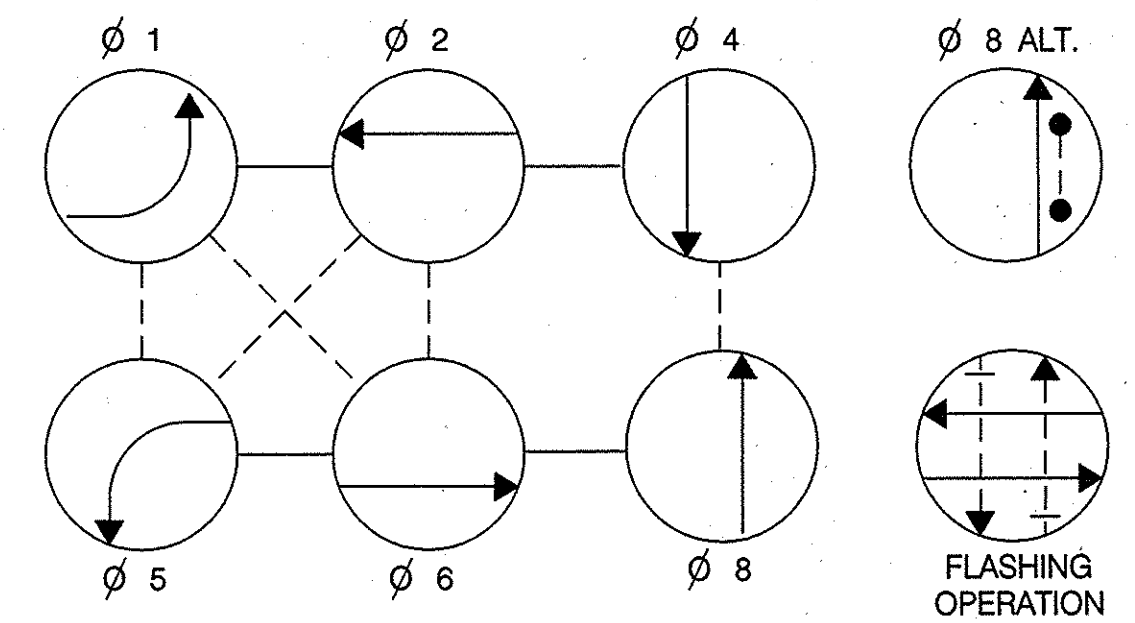
PROPOSED VIDEO DETECTION CAMERAS



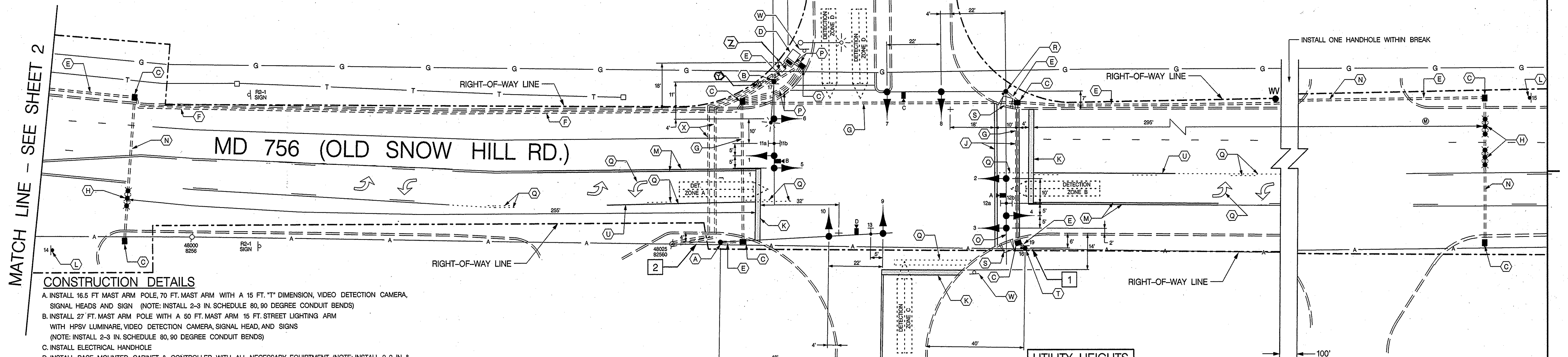
PROPOSED SIGNALS



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- INSTALL 16.5 FT. MAST ARM POLE, 70 FT. MAST ARM WITH A 15 FT. "T" DIMENSION, VIDEO DETECTION CAMERA, SIGNAL HEADS AND SIGN (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- INSTALL 27 FT. MAST ARM POLE WITH A 50 FT. MAST ARM 15 FT. STREET LIGHTING ARM WITH HPSV LUMINARE, VIDEO DETECTION CAMERA, SIGNAL HEAD, AND SIGNS (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- INSTALL ELECTRICAL HANDHOLE
- INSTALL BASE MOUNTED CABINET & CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. & 2-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
- INSTALL NON-INVASIVE MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
- INSTALL 12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
- INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
- INSTALL W3-3 SIGN ON TWO 4 IN. X 4 IN. WOOD POSTS 400' PRIOR TO THE INTERSECTION
- INSTALL 5 IN. YELLOW HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - (BORED)
- CUT, CLEAN, GALVANIZE AND CAP MAST ARM TO 58 FT. LENGTH
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT (TRENCHED)
- REMOVE EXISTING PAVEMENT MARKINGS
- INSTALL 27 FT. MAST ARM POLE WITH TWIN 70 FT. MAST ARMS, SIGNAL HEADS, VIDEO DETECTION CAMERAS, SIGNS AND PEDESTRIAN PUSHBUTTON (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- INSTALL STANDARD MSHA SIDEWALK RAMP FOR PEDESTRIAN PUSHBUTTON ACCESS
- INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH PUSHBUTTON AND SIGNS (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- INSTALL 5" WHITE PAVEMENT MARKINGS
- INSTALL 5" DOUBLE YELLOW PAVEMENT MARKINGS (75 FT. LENGTH)
- REMOVE EXISTING STOP SIGN
- INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED (FOR ELECTRICAL AND TELEPHONE SERVICE)
- INSTALL METERED PEDESTAL FOR ELECTRICAL UTILITY SERVICE EQUIPMENT
- INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED

GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ANGLE MAST ARM "A" TO AVOID OVERHEAD UTILITY CONFLICTS.

UTILITY HEIGHTS

- TELEPHONE = 16' - 9"
SECONDARY = 18' - 6"
PRIMARY = 31' - 10"
- TELEPHONE = 20' - 0"
SECONDARY = 23' - 0"
PRIMARY = 33' - 5"

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

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APPROVALS
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ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
TRAFFIC SIGNAL PLAN MD 756 AND NEWTOWNE BOULEVARD	
SCALE 1"=20'	DATE 1-4-06 CONTRACT NO. BW986M82
DESIGNED BY T. ZAYDEL	COUNTY WORCESTER
DRAWN BY T. ZAYDEL	LOGMILE 23075600.13
CHECKED BY K. SCHMID	T.I.M.S. NO. H 283
F.A.P. NO. NA	TOD NO.
DRAWING NO. TS-4458	SHEET NO. 1 OF 3